BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Modified Improvements to Roads and Drains Near Meesa Hanumathappa House area Amruthahalli in ward No. 7 Byatarayanpura, Kodigehalli sub division Job code no : 007-16-000001

							ESTIMATED COST:		3764542.00
Sl No	**Description of work**	**Unit**	**No**	**L**	**B**	**D**	**QTY**	**Rate**	**Amount**
1	Removing BS Slab of drain and stacking. (P.No.25, I.No.5.32 of PW,P&IWTD S.R 2014-15)	Sqm							
	Hanumathappa House Main road		2	105.00	1.65		346.50		
	Cross road		2	27.00	1.65		89.10	TP	
							435.60	58.32	**25404.00**
2	Refixing stone slabs of drains and pointing in CM 1:3. (P.No.25, I.No. 5.33 of PW,P&IWTD S.R 2014-15)	Sqm							
		Qty Same as I.No.1 (80%)					348.48	TP	
							348.48	75.60	**26345.00**
3	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3. (P.No.138, I.No.19.1 of PW,P&IWTD S.R 2014-15)	Cum							
	Rcc Drain 1st cross		2	44.00	0.90	0.90	71.28		
	2nd cross		1	24.00	0.90	0.90	19.44		
			2	24.00	0.90	0.90	38.88		
			2	105.00	0.90	0.90	170.10		
	C.DS Main Road		8	5.50	1.80	0.90	71.28		
	Drain Desilting		2	480.00	0.60	0.45	259.20	TP	
							630.18	75.60	**47642.00**
4	KSRRB M300-52.1. Scarifying the existing granular road surface to a depth of 50mm and disposal of scarified material within all lifts and leads upto 1000 metres complete as per specifications.MORTH Specification No. 305.4.3 (P-144, Item No. 19.58 SR 2014-15)	Sqm							
	Main Road		1	44.00	4.00		176.00		
			1	24.00	3.00		72.00		
			1	24.00	4.00		96.00		
			1	105.00	4.00		420.00	TP	
							764.00	**18.36**	**14027.00**

Sl No	Description of work	Unit	No	L	B	D	QTY	Rate	Amount
5	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. (145, I.No. 19.64)14-15	Sqm							
	Main Road		1	44.00	4.00		176.00		
			1	24.00	3.00		72.00		
			1	24.00	4.00		96.00		
			1	105.00	4.00		420.00	TP	
							764.00	**4.48**	**3423.00**
6	KSRB 4-1.2: Providing and laying in position plain cement concrete of I mix M10 With OPC cement @ 220 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P. 12, I.No. 4.2) SR-2014-15	Cum							
	Rcc Drain 1st cross		2	44.00	0.90	0.15	11.88		
	2nd cross		1	24.00	0.90	0.15	3.24		
			2	24.00	0.90	0.15	6.48		
			2	105.00	0.90	0.15	28.35		
	C.DS Road		8	5.50	1.80	0.15	11.88		
	CC Main Road		1	44.00	4.00	0.15	26.40		
	Cross road		1	24.00	3.00	0.15	10.80		
			1	24.00	4.00	0.15	14.40		
			1	105.00	4.00	0.15	63.00		
	Total Qty						**176.43**	**TP**	
	Qty upto 125%						**121.05**	**5000.00**	**605250.00**
	Qty Above 125%						**55.38**	**4982.93**	**275955.00**
	PWD SR 2015-16 Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	**5236.92**							
	Tender Premium @ -4.85%	253.99							
		4982.93							

Sl No	Description of work	Unit	No	L	B	D	QTY	Rate	Amount
7	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2 (P 15, I.No 4.28) SR-2014-15	Sqm							
	Rcc Drain 1st cross		8	44.00	0.75		264.00		
	2nd cross		4	24.00	0.75		72.00		
			8	24.00	0.75		144.00		
			8	105.00	0.75		630.00		
	C.DS Road		16	5.50	0.23		20.24		
			16	1.80	0.23		6.62		
			8	5.50	0.60		26.40		
							1163.26	236.52	**275135.00**
8	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (P. 23, I.No. 5.6) SR-2014-15	Cum							
	C.DS 2Temple Road		16	5.00	0.60	0.75	36.00		
	Total Qty						**36.00**	TP	
	Qty upto 125%						**18.00**	3836.16	**69051.00**
	Qty Above 125%						**18.00**	3934.76	**70826.00**
	PWD SR 2015-16 Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	**4135.32**							
	Tender Premium @ -4.85%	200.56							
		3934.76							
9	KProviding and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges)Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-3320Kg/cum) (P. 18, I.No. 4.49.1) SR-2014-15	Cum							
	Rcc Drain 1st cross Bottom		2	44.00	0.90	0.15	11.88		
	Side Wall		4	44.00	0.15	0.75	19.80		
	2nd cross Bottom		1	24.00	0.90	0.15	3.24		

Sl No	Description of work	Unit	No	L	B	D	QTY	Rate	Amount
	Side Wall		2	24.00	0.15	0.75	5.40		
	Bottom		2	24.00	0.90	0.15	6.48		
	Side Wall		4	24.00	0.15	0.75	10.80		
	Bottom		2	105.00	0.90	0.15	28.35		
	Side Wall		4	105.00	0.15	0.75	47.25		
	C.DS 2 Road		9	5.00	1.80	0.23	18.63		
	CC Road main road		1	44.00	4.00	0.15	26.40		
	2nd cross		1	24.00	3.00	0.15	10.80		
			1	24.00	4.00	0.15	14.40		
			1	105.00	4.00	0.15	63.00		
							266.43	5400.00	**1438722.00**
10	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (P. 171 I. No. 22.7) SR-2014-15	Sqm							
	Main Road		1	44.00	4.00		176.00		
			1	24.00	3.00		72.00		
			1	24.00	4.00		96.00		
			1	105.00	4.00		420.00		
							764.00	97.20	**74261.00**
11	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement(P. 172 I. No. 22.8.1) SR-2014-15	Rmtr							
	CC Main Road		5	4.00			20.00		
			3	3.00			9.00		
			3	4.00			12.00		
			11	4.00			44.00		
	Total Qty						**85.00**	TP	
	Qty upto 125%						**79.50**	124.20	**9874.00**
	Qty Above 125%						**5.50**	118.18	**650.00**
	PWD SR 2015-16 Basic Rate	115.00							
	Area Weightage @ 8%	9.20							
	Total	**124.20**							
	Tender Premium @ -4.85%	6.02							

Sl No	Description of work	Unit	No	L	B	D	QTY	Rate	Amount
		118.18							
12	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (P. 17, I.No. 4.46) SR-2014-15	Cum							
	Rcc Drain 1st cross Bottom		2	44.00	0.90	0.15	11.88		
	Side Wall		4	44.00	0.15	0.75	19.80		
	2nd cross Bottom		1	24.00	0.90	0.15	3.24		
	Side Wall		2	24.00	0.15	0.75	5.40		
	Bottom		2	24.00	0.90	0.15	6.48		
	Side Wall		4	24.00	0.15	0.75	10.80		
	Bottom		2	105.00	0.90	0.15	28.35		
	Side Wall		4	105.00	0.15	0.75	47.25		
							133.20		
	133.20x65Kg/Cum						**8658.00**		
	C.DS Road		8	5.00	1.80	0.23	16.56		
	16.56x100Kg/Cum						1656.00		
							10314.00		
							10.31	76000.00	**783864.00**
13	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km (Page No.141) Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00 Average weight of earth 1.28 tonne / kg	Cum							
			Qty vide Item No.3				**630.18**	70.00	**44113.00**
							Toatl Rs.		**3764542.00**

Rupees Thirty Seven Lakh(s) Sixty Four Thousand Five Hundred Forty Two Only

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.

2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2014-15, 2015-16 +/- Tender

3 The Provisions made in the estimate are quite necessary and adequate.

4 The area comes with in the BBMP limits.

Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli sub Division

Executive Engineer 27/6/16.
Byatarayanapura Division

"Modified Estimate Sanctioned"
Chief Engineer
Yelahanka Zone
Bath Bangalore Mahanagara
Rangalore 92